

Response to the Editor and Reviewers

We would like to thank the Editor and both reviewers for their careful evaluation of our manuscript and for the constructive comments provided throughout the review process. We are pleased that the paper is considered nearly ready for publication and have addressed the remaining minor comment as requested.

In addition, a new “Code and data availability” section has been added to the manuscript, providing access to the Amiet–RDT MATLAB tool used in this study, which has been recently made openly available via a public Zenodo repository.

To Reviewer 1

We thank the reviewer for the positive assessment and appreciate the recommendation for publication of the paper.

To Reviewer 2

We thank the reviewer for the positive assessment and the constructive feedback. In response to the remaining comment regarding the potential masking of turbulence distortion effects when trailing edge (TE) noise is included, we have added a dedicated discussion through the end of Section 5.

This new paragraph explicitly highlights the following:

- Although turbulence distortion effects are already evident within the inflow turbulence noise bandwidth considered in this study, these effects tend to become more pronounced toward higher frequencies.
- When TE noise is included in predictions, its contribution to the noise generation may partially mask these effects on noise, particularly at higher frequencies.
- Thus, the impact of turbulence distortion may not be directly apparent in overall noise metrics unless noise components are examined separately.

A brief clarifying sentence has also been added to the Conclusions to guide interpretation of the results.